

## BCMB40001 Biochemistry Research Project

<b>Credit Points:</b>	25									
<b>Level:</b>	4 (Undergraduate)									
<b>Dates &amp; Locations:</b>	2014, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus.									
<b>Time Commitment:</b>	Contact Hours: This subject is an individual research project and weekly contact hours will vary depending on the nature of the project. Total Time Commitment: Students should discuss total time commitment with their supervisor but as a guide, a student would be expected to be engaged in their research for an average of thirty hours per week over two semesters.									
<b>Prerequisites:</b>	Students must be enrolled in the Bachelor of Biomedicine (Honours) or Bachelor of Science (Honours) to complete this subject. Students must have completed a minimum of two 3rd year units in Biochemistry and Molecular Biology, or equivalent.									
<b>Corequisites:</b>	<table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>BCMB40002 Advanced Studies in Biochemistry A</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>BCMB40007 Advanced Studies in Biochemistry B</td> <td>Semester 1</td> <td>12.50</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	BCMB40002 Advanced Studies in Biochemistry A	Semester 1	12.50	BCMB40007 Advanced Studies in Biochemistry B	Semester 1	12.50
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BCMB40002 Advanced Studies in Biochemistry A	Semester 1	12.50								
BCMB40007 Advanced Studies in Biochemistry B	Semester 1	12.50								
<b>Recommended Background Knowledge:</b>	None									
<b>Non Allowed Subjects:</b>	None									
<b>Core Participation Requirements:</b>	For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Student Equitable Adjustment Procedure (SEAP), academic requirements for this subject are articulated in the Subject Overview, Objectives, Assessment and Generic Skills sections of this entry. It is University policy to take all reasonable steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a student's participation in the University's programs. Students who feel their disability will impact on meeting the requirements of this subject are encouraged to discuss this matter with a Faculty Student Adviser and the Disability Liaison Unit: <a href="http://www.services.unimelb.edu.au/disability/">http://www.services.unimelb.edu.au/disability/</a>									
<b>Coordinator:</b>	Prof Malcolm Mcconville									
<b>Contact:</b>	Academic Coordinator: Prof Malcolm McConville <a href="mailto:malcolmm@unimelb.edu.au">malcolmm@unimelb.edu.au</a> ( <a href="mailto:malcolmm@unimelb.edu.au">mailto:malcolmm@unimelb.edu.au</a> ) <b>Administrative Coordinator:</b> Irene Koumanelis <a href="mailto:i.koumanelis@unimelb.edu.au">i.koumanelis@unimelb.edu.au</a> ( <a href="mailto:i.koumanelis@unimelb.edu.au">mailto:i.koumanelis@unimelb.edu.au</a> )									
<b>Subject Overview:</b>	Students complete a major research project in the field of biochemistry and molecular biology under the supervision of a member of the Department or affiliated institution. Students will be enrolled in a combination of the research project subjects indicated below to ensure they have completed a total of 75 points for the research project by the end of their course. BCMB40001 Biochemistry Research Project – 25 points BCMB40006 Biochemistry Research Project – 50 points									

<b>Learning Outcomes:</b>	<ul style="list-style-type: none"> <li># Acquire the ability to obtain information, analyse it critically, and integrate it into the current state of knowledge in the area relevant to the project.</li> <li># Develop hypotheses, propose experiments, engage in discussion with other scientists.</li> <li># Acquire and hone experimental skills at the bench and develop technical knowledge specific to the research project.</li> <li># Acquire oral and written presentation skills to present original scientific data to an expert audience.</li> <li># Generate a body of original scientific results that could form part of a peer-reviewed, primary research publication.</li> </ul>
<b>Assessment:</b>	Research thesis 66% Supervisors mark 22% Research seminar 12%
<b>Prescribed Texts:</b>	None
<b>Breadth Options:</b>	This subject is not available as a breadth subject.
<b>Fees Information:</b>	Subject EFTSL, Level, Discipline & Census Date, <a href="http://enrolment.unimelb.edu.au/fees">http://enrolment.unimelb.edu.au/fees</a>
<b>Generic Skills:</b>	<p>Following completion of this program, students will have developed skills required for;</p> <ul style="list-style-type: none"> <li>• critical analysis of the scientific literature</li> <li>• oral presentation skills</li> <li>• technical report and thesis writing</li> <li>• electronic database searching</li> <li>• time management</li> </ul>
<b>Links to further information:</b>	<a href="http://www.biochemistry.unimelb.edu.au/">http://www.biochemistry.unimelb.edu.au/</a>
<b>Related Majors/Minors/Specialisations:</b>	Biochemistry and Molecular Biology